

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **58-189242**
(43)Date of publication of application : **04.11.1983**

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(21)Application number : **57-074174**
(22)Date of filing : **30.04.1982**

(71)Applicant : **TOYO POLYMER KK**
(72)Inventor : **ITO YOSHIAKI**

(54) PRODUCTION OF HIGH-MOLECULAR POROUS MATERIAL

(57)Abstract:

PURPOSE: To produce a high-molecular porous material having a thickness of 10W20mm, by causing a high-molecular material compsn. contg. a cell-forming agent to gel in a mold made of a porous material, and removing said cell-forming agent by extraction with a non-solvent for the high-molecular material.

CONSTITUTION: A cell-forming agent (such as polyvinyl alcohol or methylcellulose) soluble in both a good solvent and a non-solvent (e.g. water) for a high- molecular material described below is mixed with a liquid raw material obtd. by dissolving a high-molecular material such as polyurethane in a good solvent therefor, such as dimethyl-formamide. The resultant high-molecular material compsn. is charged in a mold made of a open-cell material such as a mold having a void content of 10W95% made of sintered polypropylene article, and immersed in a non-solvent for the high-molecular material to cause the high- molecular material compsn. to gel. The cell-forming agent is removed by extraction with a non-solvent from the gel.

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